

ASBESTOS ASSESSMENT SURVEY

H-K Building 38  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/23/89  
 Inspector: CURT BAXTER

Building Number: 38  
 Building Name: BOTTLING HOUSE  
 SEATTLE, WASHINGTON  
 Building Type: BOTTLING  
 Year Constructed: 1968

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 31%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
near south bottle handler-along ceiling	00-356065	30X	pipe covering	OMA	25 ft.	4 in. O.D.	HPS/R	28	III	\$223	\$139	\$362
center north to south-along ceiling	00-356065	30X	pipe covering	OMA	110 ft.	4 in. O.D.	HPS/R	28	III	\$981	\$614	\$1,595
southeast corner-at steam header	00-356065	30X	pipe covering	OMA	65 ft.	4 in. O.D.	HPS/R	28	III	\$580	\$363	\$943
southeast corner-at steam header	00-356065	30X	pipe covering	OMA	5 ft.	8 in. O.D.	HPS/R	28	III	\$71	\$51	\$122
southeast corner-at steam header	00-356065	30X	pipe covering	OMA	30 ft.	10 in. O.D.	HPS/R	28	III	\$566	\$419	\$985
southeast corner-at steam header	00-356065	30X	pipe covering	OMA	17 ft.	12 in. O.D.	HPS/R	28	III	\$374	\$288	\$662
center east to west-along ceiling	00-356065	30X	pipe covering	OMA	25 ft.	4 in. O.D.	HPS/R	28	III	\$223	\$139	\$362
near south wall-along ceiling	00-356065	30X	pipe covering	OMA	40 ft.	6 in. O.D.	HPS/R	28	III	\$519	\$324	\$843
near south wall-along ceiling	00-356065	30X	pipe covering	OMA	50 ft.	4 in. O.D.	HPS/R	28	III	\$446	\$279	\$725
S wall of electric room-along ceiling	00-356065	30X	pipe covering	OMA	25 ft.	12 in. O.D.	HPS/R	28	III	\$551	\$423	\$974
along south wall-near east duct	00-356065	30X	pipe covering	OMA	40 ft.	4 in. O.D.	HPS/R	28	III	\$357	\$223	\$580
center north to south-along ceiling	00-356065	30X	pipe covering	OMA	60 ft.	12 in. O.D.	HPS/R	28	III	\$1,321	\$1,016	\$2,337
center north to south-along ceiling	00-356065	30X	pipe covering	OMA	20 ft.	6 in. O.D.	HPS/R	28	III	\$260	\$162	\$422
S wall of electric room-along ceiling	00-356065	30X	pipe covering	OMA	56 ft.	4 in. O.D.	HPS/R	28	III	\$500	\$312	\$812
at northwest air handling unit	00-356065	30X	pipe covering	OMA	49 ft.	4 in. O.D.	HPS/R	28	III	\$437	\$273	\$710
at southeast air handling unit	00-356065	30X	pipe covering	OMA	52 ft.	4 in. O.D.	HPS/R	28	III	\$464	\$290	\$754
S wall of electric room-along ceiling	02-356066	50X	mjp on pipe covering	OMA	3	12 in. O.D.	HPS/R	28	III	\$228	\$142	\$370
near south wall-along ceiling	02-356066	50X	mjp on pipe covering	OMA	1	6 in. O.D.	HPS/R	28	III	\$39	\$23	\$62
southeast corner-at steam header	02-356066	50X	mjp on pipe covering	OMA	1	8 in. O.D.	HPS/R	28	III	\$48	\$28	\$76
center north to south-along ceiling	02-356066	50X	mjp on pipe covering	OMA	4	6 in. O.D.	HPS/R	28	III	\$155	\$91	\$246
near south wall-along ceiling	02-356066	50X	mjp on pipe covering	OMA	5	4 in. O.D.	HPS/R	28	III	\$140	\$78	\$218
along south wall-near east duct	02-356066	50X	mjp on pipe covering	OMA	7	4 in. O.D.	HPS/R	28	III	\$197	\$109	\$306
southeast corner-at steam header	02-356066	50X	mjp on pipe covering	OMA	8	4 in. O.D.	HPS/R	28	III	\$225	\$125	\$350
center east to west-along ceiling	02-356066	50X	mjp on pipe covering	OMA	2	4 in. O.D.	HPS/R	28	III	\$56	\$31	\$87
center north to south-along ceiling	02-356066	50X	mjp on pipe covering	OMA	20	4 in. O.D.	HPS/R	28	III	\$562	\$312	\$874
at northwest air handling unit	02-356066	50X	mjp on pipe covering	OMA	15	4 in. O.D.	HPS/R	28	III	\$421	\$234	\$655
S wall of electric room-along ceiling	02-356066	50X	mjp on pipe covering	OMA	12	4 in. O.D.	HPS/R	28	III	\$337	\$187	\$524
at southeast air handling unit	02-356066	50X	mjp on pipe covering	OMA	15	4 in. O.D.	HPS/R	28	III	\$421	\$234	\$655
southeast corner-at steam header	02-356066	50X	mjp on pipe covering	OMA	2	10 in. O.D.	HPS/R	28	III	\$125	\$78	\$203
southeast corner-at steam header	02-356066	50X	mjp on pipe covering	OMA	1	12 in. O.D.	HPS/R	28	III	\$76	\$47	\$123
	02-356067	60X						28	III			
	02-356068	30X						28	III			

AREA COMMENTS

The materials are in good to fair condition with minor contact and water damage. The materials are up to 12' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

AREA # 01 TOTAL \$10,903 \$7,034 \$17,937

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*****	AREA NUMBER: 02	AREA DESCRIPTION: 2nd Floor	AREA AVERAGE % ASBESTOS: 14%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
east side of pasteurizer	00-356069	0%	pipe covering	OMA	150 ft.	6 in. O.D.	LPS/R					
east side of pasteurizer	01-356070	0%	mjp on pipe covering	OMA	7 6 in.	O.D.	LPS/R	25	III	\$271	\$159	\$430
	01-356071	40%						25	III			
	01-356072	40%						25	III			

AREA COMMENTS

AREA # 02 TOTAL \$271 \$159 \$430

The materials are in good condition with minor contact and water damage. The materials are approximately 2' to 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

*****	AREA NUMBER: 03	AREA DESCRIPTION: 2nd Floor	AREA AVERAGE % ASBESTOS: 8%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
west wall-at ceiling	00-356069	0%	pipe covering	OMA	90 ft.	4 in. O.D.	LPS/R					
along east side of pasteurizer	00-356069	0%	pipe covering	OMA	16 ft.	4 in. O.D.	LPS/R					
above east bottle line-at ceiling	00-356069	0%	pipe covering	OMA	110 ft.	4 in. O.D.	LPS/R					
above pasteurizer-along ceiling	00-356069	0%	pipe covering	OMA	230 ft.	4 in. O.D.	LPS/R					
west wall-at ceiling	01-356070	0%	mjp on pipe covering	OMA	12 4 in.	O.D.	LPS/R	24	III	\$337	\$187	\$524
along east side of pasteurizer	01-356070	0%	mjp on pipe covering	OMA	6 4 in.	O.D.	LPS/R	24	III	\$169	\$94	\$263
along east side of pasteurizer	01-356070	0%	mjp on pipe covering	OMA	1 10 in.	O.D.	LPS/R	24	III	\$63	\$39	\$102
above pasteurizer-along ceiling	01-356070	0%	mjp on pipe covering	OMA	35 4 in.	O.D.	LPS/R	24	III	\$983	\$546	\$1,529
along east side of pasteurizer	01-356070	0%	mjp on pipe covering	OMA	3 6 in.	O.D.	LPS/R	24	III	\$116	\$68	\$184
above east bottle line-at ceiling	01-356070	0%	mjp on pipe covering	OMA	17 4 in.	O.D.	LPS/R	24	III	\$478	\$265	\$743
	01-356071	40%						24	III			
	01-356072	40%						24	III			
along east side of pasteurizer	03-356073	20%	mjp on non-suspect pipe cover	OMA	4 6 in.	O.D.	DW	24	III	\$155	\$91	\$246
along east side of pasteurizer	03-356073	20%	mjp on non-suspect pipe cover	OMA	1 10 in.	O.D.	DW	24	III	\$63	\$39	\$102
	03-356074	20%						24	III			
	03-356075	20%						24	III			

AREA COMMENTS

AREA # 03 TOTAL \$2,364 \$1,329 \$3,693

The materials are in good condition with minor contact and water damage. The materials are approximately 2' to 30' from the floor. At a minimum, it is recommended that the materials be maintained and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

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*****	AREA NUMBER: 04	AREA DESCRIPTION: 3rd Floor	AREA AVERAGE % ASBESTOS: 33%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
along north wall-near east side	00-356079	30%	pipe covering	OMA	10 ft.	4 in. O.D.	LPS/R	23	III	\$89	\$56	\$145
along north wall-near east side	00-356079	30%	pipe covering	OMA	22 ft.	6 in. O.D.	LPS/R	23	III	\$286	\$178	\$464
along north wall-near east side	05-356080	30%	mjp on pipe covering	OMA	12	4 in. O.D.	LPS/R	23	III	\$337	\$187	\$524
along north wall-near east side	05-356080	30%	mjp on pipe covering	OMA	4	6 in. O.D.	LPS/R	23	III	\$155	\$91	\$246
	05-356081	40%						23	III			
	05-356082	50%						23	III			

AREA COMMENTS

The materials are in good condition with minor contact and water damage. The materials are approximately 2' to 10' from the floor. At a minimum, it is recommended that the materials be maintained and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 04 TOTAL \$867 \$512 \$1,379

*****	AREA NUMBER: 05	AREA DESCRIPTION: 3rd Floor	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
central air handling unit-above door	04-356076	0%	stored ceiling panels/tile	OMZ	3	sq.ft.						
	04-356077	0%										
	04-356078	0%										

AREA COMMENTS

AREA # 05 TOTAL \$0 \$0 \$0

BUILDING # 38 TOTAL \$14,405 \$9,034 \$23,439